

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method for determining sleep stages of an examinee, the method comprising: wherein
detecting signals of the examinee with a biosignal detector;
calculating a signal strength ~~variance~~ deviation value ~~which that~~ indicates
variation ~~deviation~~ of a signal strength of the detected signals; and ~~detected by a biosignal~~
detection means is calculated and
determining a ~~the~~ sleep stage is ~~determined by using this the~~ signal strength
~~variance~~ deviation value or a value of a plurality of values based on ~~derived from this the~~
signal strength ~~variance~~ deviation value as an indicator value.
2. (Currently Amended) The method for determining sleep stages of an
examinee according to claim 1, wherein the indicator value is a ~~the~~ signal strength ~~variance~~
~~data deviation~~ value of signal strength data detected in a predetermined time period.
3. (Currently Amended) The method for determining sleep stages of an
examinee according to claim 1, wherein the indicator value is a signal of a difference between
the ~~the~~ signal strength ~~variance~~ data deviation value of signal strength data detected in the a
predetermined time period and a moving average of this ~~the~~ ~~variance~~ deviation value.
4. (Currently Amended) The method for determining sleep stages of an
examinee according to claim 1, wherein the indicator value is a ~~signal of a moving average~~
calculated from in a predetermined time period of a ~~the~~ signal strength ~~variance~~ data deviation
value, said ~~variance~~ value having been calculated from the signal strength data detected
detected in the a predetermined time period.

5. (Currently Amended) The method for determining sleep stages of an examinee according to claim 1, wherein a signal strength ~~variance~~deviation signal value obtained by removing abnormal values from the signal strength ~~variance~~deviation value or a value of a plurality of values based on ~~derived from this the~~ signal strength ~~variance~~deviation value is used as the indicator value.

6. (Currently Amended) The method for determining sleep stages of an examinee according to claim 1, wherein the signal strength is the signal strength obtained as a reciprocal of a coefficient obtained by gain-controlling the detected signals, ~~detected by the biosignal detection means.~~

7. (Currently Amended) The method for determining sleep stages of an examinee according to claim 1, wherein the biosignal ~~detection means~~detector is a non-invasive ~~detection means~~biosignal detector.

8. (Currently Amended) The method for determining sleep stages of an examinee according to claim 7, wherein the biosignal ~~detection means~~detector comprises:
_____a pressure detection tube;
_____a pressure detection sensor; and
_____a biosignal ~~extraction means~~extractor, and wherein the biosignal extractor extracts biosignals ~~are extracted~~ from a pressure variation detected by the pressure detection sensor.

9. (Currently Amended) The method for determining sleep stages of an examinee according to claim 1, wherein the biosignal ~~detection means~~detector is a heartbeat signal ~~detection means~~detector, such as at least one of an electrocardiograph and a pulse rate meter.